AUTHORIZATION TO DEBIT ACCOUNT

It is not believed that extensions of time or fees for net addition of claims are required, beyond those which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to deposit account no. 20-0778.

AMENDMENTS

In the Claims

The following is a marked-up version of the claims with the language that is underlined ("___") being added and the language that contains strikethrough ("—") being deleted:

1. (Currently Amended) A system for adjusting the frequency response of subwoofer ~~systems comprising:~~ systems, wherein the subwoofer systems include a main speaker and a subwoofer, wherein the subwoofer is distinct from the main speaker, the system comprising:
a user interface configured to receive at least one user-adjustable variable, the user-adjustable variable being purely indicative of ~~a characteristic of a main speaker;~~ an intrinsic characteristic of the main speaker, wherein the intrinsic characteristic is independent of output of the main speaker that may be obtained with any particular input; and

a compensation circuit configured to produce a desired subwoofer signal from an input signal in response to the user-adjustable variable.

2. (Previously Presented) The system of claim 1, wherein the main speaker characteristic comprises a low-frequency characteristic of the main speaker.

3. (Previously Presented) The system of claim 1, wherein the user adjustable variable comprises a low-frequency cutoff frequency.

4. (Previously Presented) The system of claim 1, wherein the user adjustable variable comprises a low-frequency damping factor.

5. (Previously Presented) The system of claim 1, wherein the user adjustable variable comprises a speaker sensitivity factor.

6. (Previously Presented) The system of claim 1, wherein the user adjustable variable comprises an enclosure type.

7. (Previously Presented) The system of claim 1, wherein the user adjustable variable comprises a gain factor.

8. (Currently Amended) A method for adjusting the frequency response of subwoofer systems, ~~comprising the steps of:~~ wherein the subwoofer systems include a main speaker and a subwoofer, wherein the subwoofer is distinct from the main speaker, the method comprising the steps of:

receiving at least a user-adjustable setting, the user-adjustable setting being purely indicative of ~~a characteristic of a main speaker;~~ an intrinsic characteristic of the main speaker, wherein the intrinsic characteristic is independent of output of the main speaker that may be obtained with any particular input; and

producing a desired subwoofer signal in response to receiving the user-adjustable setting.

9. (Previously Presented) The method of claim 8, wherein the main speaker characteristic comprises a low-frequency characteristic of the main speaker.

10. (Previously Presented) The method of claim 8, wherein the main speaker characteristic comprises a low-frequency cutoff frequency.

11. (Previously Presented) The method of claim 8, wherein the main speaker characteristic comprises a low-frequency damping factor.

12. (Previously Presented) The method of claim 8, wherein the main speaker characteristic comprises a speaker sensitivity factor.

13. (Previously Presented) The method of claim 8, wherein the main speaker characteristic comprises an enclosure type.

14. (Previously Presented) The method of claim 8, wherein the main speaker characteristic comprises a gain factor.

15. (Currently Amended) A system for adjusting the frequency response of subwoofer systems, ~~comprising:~~ wherein the subwoofer systems include a main speaker and a subwoofer, wherein the subwoofer is distinct from the main speaker, the system comprising:

means for receiving at least one user-adjustable setting, the user-adjustable setting being purely indicative of ~~a characteristic of a main speaker;~~ an intrinsic characteristic of the main speaker, wherein the intrinsic characteristic is independent of output of the main speaker that may be obtained with any particular input;

means for receiving an input signal; and

means for producing a desired subwoofer signal from the input signal in response to the user adjustable setting.

16. (Previously Presented) The system of claim 15, wherein the main speaker characteristic comprises a low-frequency characteristic of the main speaker.

17. (Previously Presented) The system of claim 15, wherein the means for producing the desired subwoofer signal further comprises means for setting a user-adjustable variable that indicates a low-frequency cutoff-frequency of the main speaker.

18. (Previously Presented) The system of claim 15, wherein the means for producing the desired subwoofer signal further comprises means for setting a user-adjustable variable that indicates a low-frequency damping factor of the main speaker.

19. (Previously Presented) The system of claim 15, wherein the means for producing the desired subwoofer signal further comprises means for setting a user-adjustable variable that indicates a gain of the main speaker.

20. (Currently Amended) A system for adjusting the frequency response of subwoofer ~~systems comprising:~~ systems, wherein the subwoofer systems include a main speaker and a subwoofer, wherein the subwoofer is distinct from the main speaker, the system comprising:

a user interface configured to receive user-adjustable variables, the user-adjustable variables comprising:

a first variable that is purely indicative of ~~a characteristic of a main speaker;~~ an intrinsic characteristic of the main speaker, wherein the intrinsic characteristic is independent of output of the main speaker that may be obtained with any particular input; and

a second variable that is not purely indicative of a main speaker characteristic; and

a compensation circuit configured to produce a desired subwoofer signal from an input signal in response to the user-adjustable variables.

21. (Previously Presented) The system of claim 20, wherein the main speaker characteristic comprises a low-frequency characteristic of the main speaker.

22. (Previously Presented) The system of 20, wherein the user adjustable variables comprise a low-frequency cutoff frequency.

23. (Previously Presented) The system of claim 20, wherein the user adjustable variables comprise a low-frequency damping factor.

24. (Previously Presented) The system of claim 20, wherein the user adjustable variables comprise a speaker sensitivity factor.

25. (Previously Presented) The system of claim 20, wherein the user adjustable variables comprise an enclosure type.

26. (Previously Presented) The system of claim 20, wherein the user adjustable variables comprise a gain factor.

27. (Currently Amended) A method for adjusting the frequency response of subwoofer systems, ~~comprising the steps of:~~ wherein the subwoofer systems include a main speaker and a subwoofer, wherein the subwoofer is distinct from the main speaker, the method comprising the steps of:

receiving user adjustable settings, the user adjustable settings comprising:

a setting that is purely indicative of ~~a characteristic of a main speaker~~ an intrinsic characteristic of the main speaker, wherein the intrinsic characteristic is independent of output of the main speaker that may be obtained with any particular input; and

a setting that is not purely indicative of a main speaker characteristic; and

producing a desired subwoofer signal in response to receiving the user adjustable settings.

28. (Previously Presented) The method of claim 27, wherein main speaker characteristic comprises a low-frequency characteristic of the main speaker.

29. (Previously Presented) The method of claim 27, wherein the main speaker characteristic comprises a low-frequency cutoff frequency.

30. (Previously Presented) The method of claim 27, wherein the main speaker characteristic comprises a low-frequency damping factor.

31. (Previously Presented) The method of claim 27, wherein the main speaker characteristic comprises a speaker sensitivity factor.

32. (Previously Presented) The method of claim 27, wherein the main speaker characteristic comprises an enclosure type.

33. (Previously Presented) The method of claim 27, wherein the main speaker characteristic comprises a gain factor.

34. (Currently Amended) A system for adjusting the frequency response of subwoofer systems, ~~comprising:~~ wherein the subwoofer systems include a main speaker and a subwoofer, wherein the subwoofer is distinct from the main speaker, the system comprising:

means for receiving user adjustable settings, the user-adjustable settings comprising:

a setting that is purely indicative of ~~a characteristic of a main speaker;~~ an intrinsic characteristic of the main speaker, wherein the intrinsic characteristic is independent of output of the main speaker that may be obtained with any particular input; and

a setting that is not purely indicative of a main-speaker characteristic;

means for receiving an input signal; and

means for producing a desired subwoofer signal from the input signal in response to the plurality of user adjustable setting.

35. (Previously Presented) The system of claim 34, wherein the main speaker characteristic comprises a low-frequency characteristic of the main speaker.

36. (Previously Presented) The system of claim 34, wherein the means for producing the desired subwoofer signal further comprises means for setting a user-adjustable variable that indicates a low-frequency cutoff-frequency of the main speaker.

37. (Previously Presented) The system of claim 34, wherein the means for producing the desired subwoofer signal further comprises means for setting a user-adjustable variable that indicates a low-frequency damping factor of the main speaker.

38. (Previously Presented) The system of claim 34, wherein the means for producing the desired subwoofer signal further comprises means for setting a user-adjustable variable that indicates a gain of the main speaker.